

<u>C. G. Range</u>	(+22.6) to (+28.2) at 2500 lb. (+27.0) to (+28.2) at 3460 lb. Straight line variation between points given.
<u>Empty Weight C.G. Range</u>	None.
<u>Datum</u>	Wing leading edge
<u>Leveling Means</u>	Top of longeron at the cockpit
<u>Maximum Weight</u>	3460 lbs.
<u>Number of Seats</u>	1 (+10)
<u>Maximum Hopper Capacity</u>	1000 lb. (+43)
<u>Fuel Capacity</u>	44 gallons (+40.3) (One 22 gallon tank in each wing, tanks interconnected). Usable capacity: S/N 1005 thru 1015 - 30 gallons S/N 1016-1033, 1035, 1036, 1039, 1042, 1045, 1048, 1049, 1050A and up - 40 gallons See NOTE 1 for data on unusable fuel.
<u>Oil capacity</u>	3.3 gallons (+28)
<u>Control Surface Movements</u>	Elevator Up 21° Down 29° Elevator tab Up 18° Down 24° Rudder Left 17° Right 17° Aileron Up 22° Down 18°
<u>Serial Numbers Eligible</u>	1005 through 1033, 1035, 1036, 1039, 1042, 1045, 1048, 1049, 1050A and up.
<u>Certification Basis</u>	CAR 8.10(a)(1) effective 11 October 1950, and CAM 8, Appendix B as amended 19 March 1957. Type Certificate No. 2A9 issued 2 April 1959. Date of Application for Type Certificate 28 October 1958.
<u>Production Basis</u>	Production of Spare Parts approved under Production Certificate 5SO. Prior to original airworthiness certification of any aircraft manufactured under this TC, an FAA representative must perform a detailed inspection for workmanship, materials and conformity with the approved technical data, and a check of the flight characteristics.
<u>Equipment</u>	The basic required equipment as prescribed in the applicable airworthiness regulations (see Certification Basis and CAM 8, Appendix B.51) must be installed in the aircraft for certification. In addition, either item (a), (b), (c), or (d) listed below is required: Dust dispensing installation per: (a) Snow Dwg. 802 43 lb. (+52) (b) Snow Dwg. 808 56 lb. (+52) Spray dispensing installation per: (c) Snow Dwg. 804 82 lb. (+61) (d) Snow Dwg. 807 76 lb. (+61)

NOTE 1. Current weight and balance report including list of equipment included in certificated empty weight, and loading instructions when necessary must be provided for each aircraft at the time of original certification. The certificated empty weight and the corresponding center of gravity location must include unusable fuel of 84 lb. (+40.3) for S/N 1005 through 1015 and 24 lb. (+40.3) for S/N 1016 through 1033, 1035, 1036, 1039, 1042, 1045, 1048, 1049, 1050A and up.

NOTE 2.

- (1) The following placards must be installed:

- (a) In clear view of the pilot:

For airplanes S/N 1005 through 1015: "Fuel gauge calibrated at ¼ tank increments.
Usable tank capacity 15 gallons each tank.

For airplanes S/N 1016 through 1033, 1035, 1036, 1039, 1042, 1045, 1048, 1049,
1050A and up: "Fuel gauge calibrated at ¼ tank increments. Usable tank capacity 20
gallons each tank."

For all airplanes:

"This airplane must be operated in accordance with the following limitations:

Never exceed speed (Vne) 126 mph CAS

Maximum gross weight 3460 pounds.

No acrobatic maneuvers including spins authorized."

"Sulphur dusting is prohibited unless special fire prevention measures have been incorporated in the aircraft."

- (b) On hopper:

"Maximum hopper capacity 1000 lbs."

- (c) Near carburetor heat control knob:

"Pull for carburetor heat."

- (d) Adjacent to fuel tank filler necks:

FUEL (*) U.S. GAL. MIN. OCTANE 87 FUEL TANKS ARE INTERCONNECTED
ALLOW SUFFICIENT TIME FOR FUEL LEVEL TO EQUALIZE BEFORE TOP-OFF
OF TANKS. NO AROMATIC FUEL.

*(See "Fuel Capacity" item)

- (e) Adjacent to oil filler cap:

OIL TANK
(*) GAL. CAP.

*(See "Oil Capacity" item)

- (f) When the W-670-240 engine is installed, the following placard must be installed in clear view of the pilot:

"Because of uncertificated power plant components, this airplane shall not be operated over congested areas and is not eligible for a waiver to conduct special purpose operations over densely populated areas, in congested airspace, or in the vicinity of busy airports where passenger transport operations are being conducted."

NOTE 3.

In addition to the operation limitations set forth in this data sheet, a list of operating limitations as issued by the FAA representative must contain the area operating limitations, economic operating limitations and passenger limitations as prescribed in CAR 8.

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